RIVERSIDE CALIFORNIA

CITY OF RIVERSIDE

PUBLIC WORKS DEPARTMENT

2012-2013 CDBG - WARD 1
RUSTIN AVENUE, ATHENA COURT AND MINERVA COURT
STREET IMPROVEMENTS
A HUD FUNDED PROJECT

GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC AS INDICATED IN THE ASSOCIATED PROJECT SPECIAL PROVISIONS.
2. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION.
3. EXISTING UTILITIES SHOWN ON THIS PLAN ARE PLOTTED FROM UTILITY RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UTILITIES WHETHER OR NOT SHOWN ON THIS PLAN.
4. CONFLICTING UTILITIES SHOWN WITHIN CONSTRUCTION AREA WILL BE RELOCATED PRIOR TO CONSTRUCTION.
5. ALL STREET PULL BOXES, AFFECTED BY CONSTRUCTION, SHALL BE ADJUSTED TO THE PROPOSED GRADE.
6. PRIME CONTRACTOR BIDDING THIS WORK SHALL HAVE A CLASS "A" OR "C-12".
7. THE SEAM BETWEEN PASSES OF THE AC OVERLAY SHALL COINCIDE, AS CLOSE AS POSSIBLE, TO THE LANE LINES.
8. COLD MILLING SHALL BE AS DESCRIBED ON THE PLANS AND SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.
9. ANY DISTRESSED EXISTING PAVEMENT SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEERING AFTER COLD-MILLING AND PRIOR TO PLACEMENT OF DGAC.
10. CONTRACTOR SHALL REMOVE ALL VEGETATION WITHIN ALL SIDEWALK PANELS WITHIN THE PROJECT LIMITS.
11. ALL EXISTING IMPROVEMENTS SHOWN HEREON SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
12. EXISTING IRRIGATION SHALL BE PROTECTED OR MODIFIED AS NECESSARY TO CONSTRUCT NEW CONCRETE IMPROVEMENTS.
13. ALL FENCE POSTS SHALL BE PROTECTED OR MODIFIED AS NECESSARY IF POST FOUNDATION IS WITHIN A SIDEWALK PANEL THAT HAS BEEN CALLED OUT FOR REPLACEMENT.

CONSTRUCTION NOTES:

- NUMBERS ABOVE 100 IN A HEXAGON ON THE PLAN REFER TO THE RESPECTIVE STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY. UNLESS MODIFICATIONS ARE NOTED ON THE PLAN OR COVER SHEET. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.
- ADJ / XX — ADJUST TO GRADE, DESCRIPTION PER PLAN. (MH) SEWER OR STORM DRAIN. (GV) GATE VALVE. (ETS) ELECTRIC TEST STATION
- CM2 / XX — COLD MILL AND OVERLAY EXISTING AC PAVEMENT. (XX'=MIN. DEPTH AS NOTED ON PLANS)
- CM3 — "FULL DEPTH COLD MILL" TO EXISTING SUBGRADE OR BASE AND REPLACE WITH NEW DGAC (AC THICKNESS VARIES APPROX. FROM 3" TO 5").
- R&R 325 MOD — CONSTRUCT NEW PCC SIDEWALK PER CITY STANDARD 325, THICKNESS SHALL BE 6"
- XXX / R&R — ANY CONSTRUCTION NOTE INDICATED AS "R&R" SHALL REMOVE AND RE-CONSTRUCT EXISTING FACILITY PER DETAIL REFERENCED THEREIN. DIMENSIONS OF NEW FACILITY SHALL BE MODIFIED AS NECESSARY TO MATCH EXISTING FACILITY REMOVED, EXCLUDING ADA REQUIREMENTS.
- DL — CONTRACTOR SHALL INSTALL (3) NEW PRESENCE DETECTOR LOOPS PER DETAIL. INSTALL (1) NEW DLC FOR NEW DETECTOR LOOP CHANNEL APPROX. 150' FROM EXISTING CONTROLLER TO ADJACENT PULL BOX. SPLICE LOOPS AT THE ADJACENT PULL BOX. CONTRACTOR WILL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING (1) NEW DETECTOR CARD FOR THE PROPOSED OPERATION.

EXISTING TOPOGRAPHY:

- SANITARY SEWER M.H.
- STORM DRAIN M.H.
- WATER GATE VALE
- ELECTRIC M.H.
- TELEPHONE M.H.
- WATER METER
- FIRE HYDRANT
- IRRIGATION METER
- BLOW-OFF VALVE
- TRAFFIC SIGN
- POWER POLE
- GUY ANCHOR
- STREET LIGHT ON MAST ARM
- ELECTRICAL TEST STATION (PIPELINE)

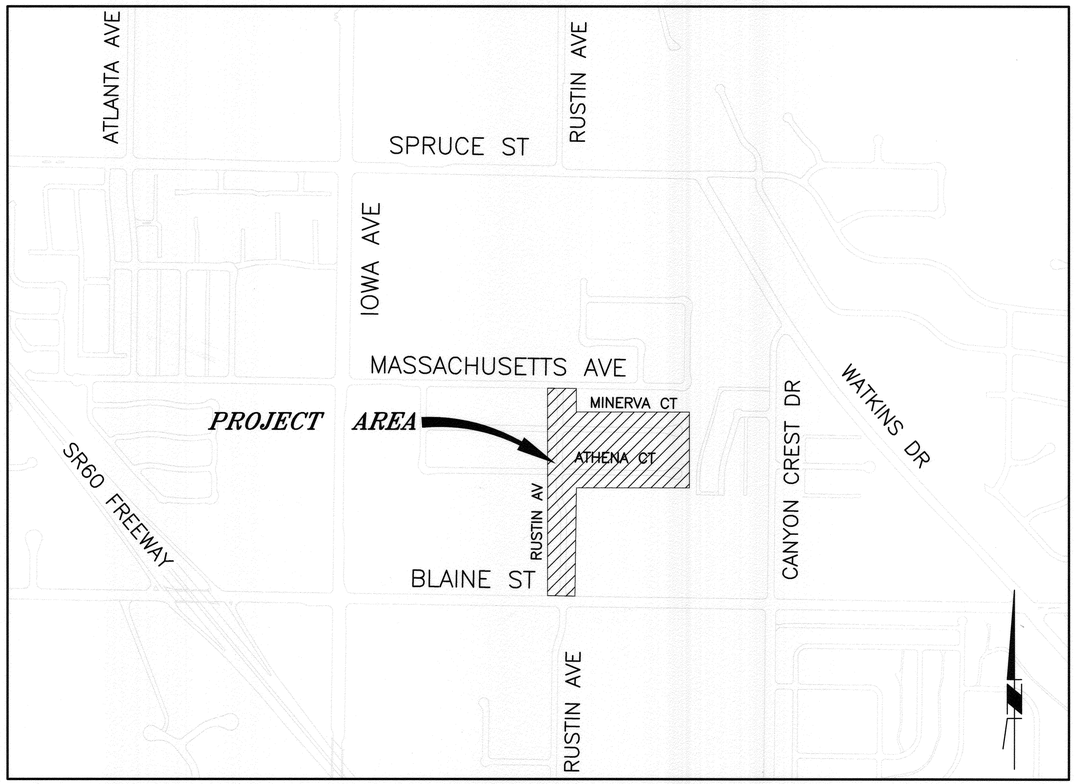
LEGEND:

- PCC TO BE REMOVED AND REPLACED
- UNIFORM COLD MILL (CM2), (OVERLAY THICKNESS TO MATCH MILLING THICKNESS)
- FULL DEPTH COLD MILL (CM3) AND REPLACE DGAC OF SAME THICKNESS

SHEET INDEX:(1) STREET IMPROVEMENTS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	MAINTENANCE PLAN

NOTE: (1) WORK SHOWN HEREIN SHALL BE COMPLETED IN CONJUNCTION WITH THE FOLLOWING PLANS: M-470, R-4255, R-4256, R-4257, R-4259



LOCATION MAP

NTS

TRAFFIC SIGNAL GENERAL NOTES:

1. ALL ITEMS FURNISHED AND ALL WORK TO BE DONE SHALL CONFORM TO THE REQUIREMENTS OF: THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS AND SPECIFICATIONS, DATED 2006; THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES ADOPTED 2010; AND THE SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS TO NOTIFY ALL AFFECTED AGENCIES AND THE RIVERSIDE UTILITY COMPANIES A MINIMUM OF 48 HOURS PRIOR TO START OF CONSTRUCTION.
3. UNLESS SHOWN OTHERWISE, INDUCTIVE LOOPS SHALL BE MODIFIED TYPE "D" & TYPE "E" WITH 10', 15' AND 30' SPACING IN THE DIRECTION OF TRAVEL. NECESSARY STRIPING SHALL BE LOCATED PRIOR TO POSITIONING LOOPS. LOOPS SHALL BE SEALED WITH HOT MELT SEALANT. SEE DETAIL.
4. UNDERGROUND SIGNAL CONDUCTORS SHALL NOT BE SPLICED.
5. THE CONTRACTOR SHALL VERIFY WITH THE ENGINEER THE PRECISE FIELD LOCATIONS OF ALL TRAFFIC SIGNAL EQUIPMENT PRIOR TO THE INSTALLATION.
6. ALL LANDSCAPING WHICH IS DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE CITY AND THE PROPERTY OWNER.
7. DAMAGED SIDEWALK CONCRETE SHALL BE REPLACED PER CITY OF RIVERSIDE STANDARD.
8. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FURNISH AND INSTALL ANY ADDITIONAL LOAD SWITCHES AND/OR DETECTOR CARDS, IF NECESSARY, FOR THE PROPOSED OPERATION.

SIGNING AND STRIPING GENERAL NOTES:

1. SIGNING AND STRIPING INSTALLATIONS SHALL CONFORM TO THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS AND SPECIFICATIONS DATED 2010, AND ALL ADDENDUMS THERETO, AND THE CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT STANDARD DRAWINGS, CURRENT EDITION.
2. ALL STRIPING, MARKINGS, AND LEGENDS SHALL BE REFLECTORIZED THERMOPLASTIC UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL PROVIDE AND INSTALL RAISED PAVEMENT MARKERS FOR ALL STRIPING. STRIPING, MARKINGS AND LEGENDS SHALL CONFORM TO THE LATEST CALTRANS STANDARD PLANS A20A THRU A20D AND A24A THRU A24E.
3. PRIOR TO FINAL ACCEPTANCE OF STREET IMPROVEMENTS, ALL PAVEMENT STRIPING AND STENCILING WITHIN THE PERIMETER OF THE CONSTRUCTION AREA SHALL BE RESTORED TO LIKE NEW CONDITION, IN A MANNER MEETING THE APPROVAL OF THE CITY OF RIVERSIDE.
4. THE CONTRACTOR SHALL RE-STRIPE EXISTING STRIPING AND CURB MARKINGS OBLITERATED BY NEW CONSTRUCTION, WHETHER OR NOT SHOWN ON THE PLANS FOR REPLACEMENT, AT NO COST TO THE CITY.
5. AT LOCATIONS WHERE EXISTING PAINTED CURB IS TO BE RECONSTRUCTED, THE CONTRACTOR SHALL PAINT THE NEW CURB AS SHOWN ON THE PLANS WITHIN 10 WORKING DAYS OF CURB CONSTRUCTION OR AS DIRECTED BY ENGINEER. THE PAINT SHALL BE WATER-BASED WITH 2-YEAR GUARANTEE AGAINST COLOR FADING. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CITY WRITTEN PROOF OF THE MANUFACTURER'S 2-YEAR GUARANTEE.
6. ALL NEW STRIPING SHALL BE "CAT TRACKED" AND APPROVED BY THE ENGINEER PRIOR TO FINAL INSTALLATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AFTER COMPLETING LAYOUT AND AT LEAST 3 WORKING DAYS BEFORE COMMENCING INSTALLATION OF STRIPING, MARKINGS AND MARKERS.
7. TRAFFIC SIGN FACE SHALL BE 3M DIAMOND GRADE DG3 REFLECTIVE SHEETING (ASTM XI) OR APPROVED EQUAL WITH PROTECTIVE GRAFFITI OVERLAY FILM OR AS OTHERWISE NOTED.
8. ALL WARNING SIGNS SHALL HAVE A FLUORESCENT YELLOW BACKGROUND AND SCHOOL SIGNS NOTED SHALL HAVE A FLUORESCENT YELLOW-GREEN BACKGROUND.
9. SIGNS SHALL BE STANDARD SIZE UNLESS NOTED OTHERWISE. PRIOR TO INSTALLATION, NEW SIGNS SHALL BE APPROVED BY THE CITY OF RIVERSIDE. EXACT LOCATIONS OF SIGNS SHALL BE DETERMINED BY THE CITY ENGINEER.
10. SALVAGED SIGNS AND SIGN POSTS SHALL BE DELIVERED TO THE CITY OF RIVERSIDE SIGN DEPARTMENT.
11. STRIPING SHALL BE APPLIED WITHIN 48 HOURS OF SURFACE COURSE REPLACEMENT ON STREETS OPEN TO THE PUBLIC. IN NO CASE SHALL A NEWLY PAVED STREET OPEN TO THE PUBLIC BE LEFT UNSTRIPED OVER A WEEKEND OR HOLIDAY.
12. CONTRACTOR SHALL INSTALL NEW SIGN(S) AND/OR POST(S) PER CITY OF RIVERSIDE STANDARD DRAWING No. 664, SEE SPECIFICATIONS.
13. CONTRACTOR SHALL INSTALL NEW STREET NAME SIGNS AND POST PER CITY OF RIVERSIDE STANDARD DRAWING No. 662, SEE SPECIFICATIONS.
14. ALL CONFLICTING STRIPING, PAVEMENT MARKINGS, LEGENDS, AND RAISED PAVEMENT MARKERS SHALL BE REMOVED EVEN IF NOT SHOWN ON PLANS. REMOVALS OF PAINTED STRIPING, PAVEMENT MARKINGS AND LEGENDS SHALL BE DONE BY WET SANDBLASTING. REMOVALS OF THERMOPLASTIC STRIPING, PAVEMENT MARKINGS AND LEGENDS SHALL BE REMOVED BY WET SANDBLASTING, GRINDING OR OTHER APPROVED METHOD AND SHALL NOT DAMAGE THE PAVEMENT. "BLACK OUT" OF EXISTING DELINEATION IS NOT PERMITTED. ALL DAMAGED PAVEMENT DUE TO REMOVALS SHALL BE REPAIRED AS NECESSARY TO MAINTAIN A SMOOTH AND UNIFORM SURFACE OR AS DIRECTED BY THE ENGINEER. ALL STRIPING REMOVALS AND LEGENDS SHALL BE "FOG SEALED".
15. WHERE APPLICABLE, OUTBOUND LANE LINE DETAILS SHALL COMMENCE AT THE CROSSWALK, MEANING THE PAINTED PORTION OF THE DETAIL SHALL JOIN THE CROSSWALK.

CALL BEFORE YOU DIG — Under Ground Service Alert of Southern California
Call: TOLL FREE 1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

CITY OF RIVERSIDE

ENGINEER IN RESPONSIBLE CHARGE
EDWARD LARA
R.C.E. No. 63753 EXPIRES: 9-30-14
DATE December 24, 2012

REGISTERED PROFESSIONAL ENGINEER — EDWARD LARA — No. 63753 — Exp. 9-30-14 — CIVIL — STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY CS DRAWN BY DMC CHECKED BY EL

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
ENGINEERING MANAGER	FM	12/27/12
CONSTRUCTION ADMIN.	S.M.	12-27-12
TRAFFIC DIVISION	E.M.	12-24-12
STREETS SERVICES		

APPROVED BY — CITY ENGINEER — DATE 12/27/2012

STREET IMPROVEMENTS
2012-2013 CDBG - WARD 1
RUSTIN, MINERVA AND ATHENA
STREET IMPROVEMENTS
TITLE SHEET

HORIZ. SCALE: N/A VERT. SCALE: N/A

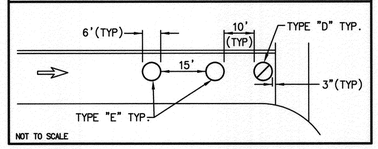
DESIGN WORK ORDER: #1309685
CONSTR. WORK ORDER: #1309684

R-4254

SHEET 1 OF 2

FILE NAME: R4254-1.DWG

TYPICAL LOOP DETECTOR LAYOUT



SEE STANDARD DWG NO. 670 FOR TYPE "D" LOOP CONFIGURATION

SCALE: 1"=40'

40 0 40 80 120

SCALE: 1"=40'

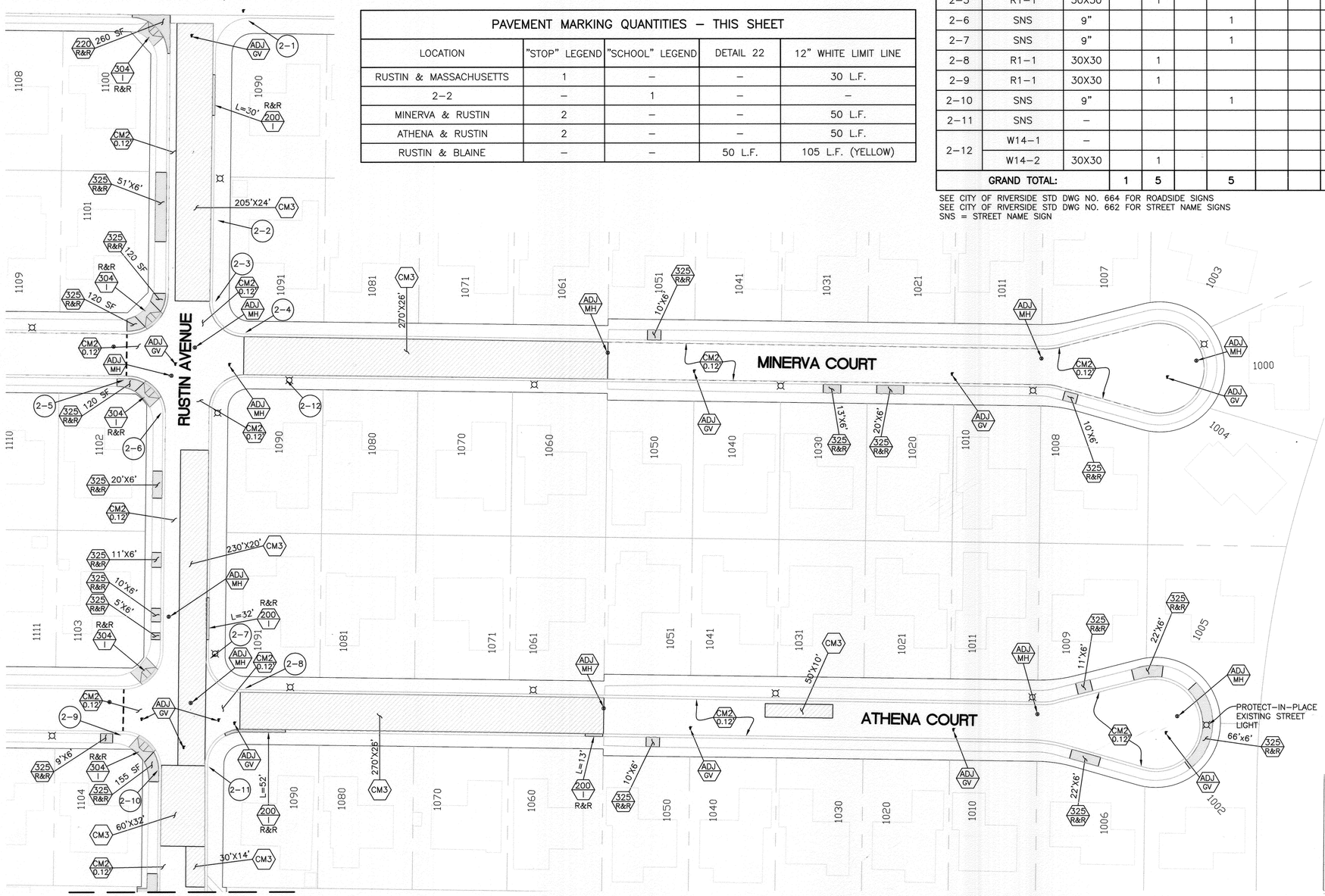
SIGN QUANTITIES – THIS SHEET

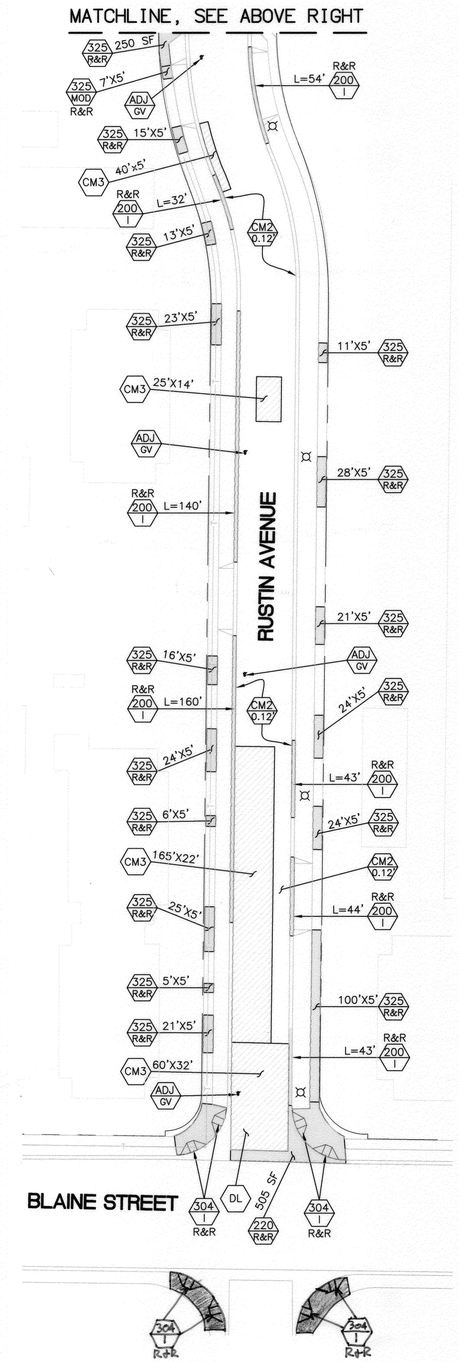
SIGN NUMBER	SIGN CODE	PANEL SIZE (IN)	INSTALL ROADSIDE SIGN(S)			INSTALL STREET NAME SIGN	RELOCATE ROADSIDE SIGN(S) OR SNS		REMOVE SIGN(S)
			NO POST	ONE POST	TWO POST		NO POST	ONE POST	
2–1	SNS	9"				1			1
2–2	S1–1	36X36	1						1
2–3	SNS	9"				1			
2–4	R1–1	30X30		1					1
2–5	R1–1	30X30		1					1
2–6	SNS	9"				1			1
2–7	SNS	9"				1			
2–8	R1–1	30X30		1					1
2–9	R1–1	30X30		1					1
2–10	SNS	9"				1			1
2–11	SNS	–							1
2–12	W14–1	–							1
	W14–2	30X30		1					
GRAND TOTAL:			1	5		5			10

SEE CITY OF RIVERSIDE STD DWG NO. 664 FOR ROADSIDE SIGNS
SEE CITY OF RIVERSIDE STD DWG NO. 662 FOR STREET NAME SIGNS
SNS = STREET NAME SIGN

PAVEMENT MARKING QUANTITIES – THIS SHEET

LOCATION	"STOP" LEGEND	"SCHOOL" LEGEND	DETAIL 22	12" WHITE LIMIT LINE
RUSTIN & MASSACHUSETTS	1	–	–	30 L.F.
2–2	–	1	–	–
MINERVA & RUSTIN	2	–	–	50 L.F.
ATHENA & RUSTIN	2	–	–	50 L.F.
RUSTIN & BLAINE	–	–	50 L.F.	105 L.F. (YELLOW)





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DESIGNED BY CS DRAWN BY DMC CHECKED BY EL

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
ENGINEERING MANAGER	PM	12/27/12
CONSTRUCTION ADMIN.		12-27-12
TRAFFIC DIVISION		12-26-12
STREETS SERVICES		

APPROVED BY
CITY ENGINEER
DATE 12/27/2012

STREET IMPROVEMENTS
2012-2013 CDBG - WARD 1
RUSTIN, MINERVA AND ATHENA
STREET IMPROVEMENTS
MAINTENANCE PLAN
HORIZ. SCALE: 1"=40' VERT. SCALE: N/A

DESIGN WORK ORDER: #1309685
CONSTR. WORK ORDER: #1309694

R-4254

SHEET 2 OF 2

FILE NAME: R4254-2.DWG